ELSEVIER

Journal of Organometallic Chemistry 545–546 (1997) 625–626

Journal of Organometallic Chemistry

Author Index of Volumes 545–546

Aaliti, A., 79
Addison, S.J., 39
Albéniz, M.J., 495
Albert, J., 131
Alt, H.G., 553
Alvarez, T.C., 191
Amberger, H.-D., 601
Andersson, T., 591
Ansari, M.A., 157
Antelmann, B., 407
Arancibia, V., 507
Arikawa, Y., 381
Asadi, A., 61

Bahrmann, H., 139
Baird, M.C., 607
Baker, L.-J., 249
Baker, P.K., 125
Balssa, F., 9
Bargon, J., 201
Bauer, K., 267
Bayle, M., 559
Beck, W., 17
Becke, F., 169
Becker, U., 451
Beletskaya, I.P., 71
Bell, W.L., 67
Biesemans, M., 559
Bitterwolf, T.E., 27
Bläser, D., 169
Blümel, J., 543
Bochmann, M., 597
Boese, R., 169
Bois, C., 327
Bordoni, S., 117
Boys, D., 507
Braunschweig, H., 163, 257
Brintzinger, H.-H., 291
Bruce, M.I., 207
Buil, M.L., 495
Busetto, L., 117

Cai, R.-f., 309
Cardin, C.J., 79
Carmona, D., 507
Caro, B., 357, 447
Cea-Olivares, R., 1
Chatgilialoglu, C., 475
Chi, Y., 151
Chiavarino, B., 45, 53
Chien, J.C.W., 35
Clark, A.M., 619
Clark, G.R., 225
Claver, C., 79
Colucci, P., 117
Connor, J.A., 39
Contreras, R., 507
Cook, R.L., 67
Cornils, B., 139
Couret, C., 1
Crestoni, M.E., 45, 53
Cypryk, M., 483

Davies, D.L., 581
Déléris, G., 559
Denis, R., 615
Dieleman, C.B., 461
Dietz, S.D., 67
Dirk, R., 257
Djakovitch, L., 399
Doedens, R.J., 157
Dolgushin, F.M., 71

Ederer, T., 17
Edwards, A.J., 567
Escudié, J., 1
Espinosa, P.G., 191
Esteruelas, M.A., 495
Evans, W.J., 157

Fabbri, D., 79
Fawcett, J., 581
Feldman, J.D., 157
Ferreri, C., 475
Fischer, R.A., 543
Font-Bardía, M., 131
Fornarini, S., 45, 53
Forniés-Cámer, J., 79
Foster, P., 35
Fukumoto, H., 549

Gallagher, S., 27
Ganter, B., 163, 257
García, V., 93
Garralda, M.A., 93
Gielen, M., 559
Gisler, A., 315
Gladiali, S., 79
Goldberg, I., 441
Granell, J., 131
Guttenberger, C., 601

Haiduc, I., 1
Hasegawa, M., 531
Haubs, M., 139
Healy, P.C., 519
Herberhold, M., 267
Herdtweck, E., 543
Herrmann, W.A., 399
Hidai, M., 381
Holmes, N.J., 111
Huang, X.-y., 309
Huang, Z.-e., 309
Humphrey, M.G., 519
Humphrey, P.A., 207
Huttner, G., 407

Ishikawa, M., 611

Jacob, K., 421
Janssen, B.C., 407
Jeannin, Y., 327
Jenkins, A.E., 125
Jones, P.G., 461
Jutzi, P., 573

Kaneko, S.-i., 345
Kaneyoshi, H., 345
Kazankova, M.A., 71
Kekia, O.M., 277
Kemmer, M., 559
Kim, H.-S., 337
Kim, J.-W., 337
Kim, J.H., 99
Kim, T.-J., 337
Kim, Y., 99
Kincaid, J.A., 39
Klages, S., 201
Kleinebekel, B., 573
Klimova, B.T., 191
Klimova, E.I., 191
Kloo, L.A., 249
Kol, M., 441
Köppe, R., 105
Krafczyk, R., 581
Kuipers, B., 225
Kunai, A., 611
Kwon, S.-C., 337

Lahoz, F.J., 507
Lai, C.-Y., 179
Lamata, M.P., 507
Lapinte, C., 615
Leadbeater, N.E., 567

Elsevier Science S.A.

Le Corre-Susanne, C., 9
Lee, G.-H., 151
Léger, J.M., 559
Lehtonen, A., 219
Leino, R., 219
Le Poul, P., 447
Levason, W., 111
Lewis, J., 567
Licandro, E., 9
Linden, A., 315
Linti, G., 105
López, A.M., 495
López, J.A., 507
Lucarini, M., 475
Lucas, N.T., 519
Luque, A., 131
Luttikhedde, H.J.G., 219

Ma, J.-F., 577
Ma, W.-w., 309
Maiorana, S., 9
Martínez, G.M., 191
Mashima, K., 345, 549
Matsuo, Y., 549, 611
Matt, D., 461
Meier, E.J.M., 315
Meng, W.-d., 9
Merzweiler, K., 421
Mestroni, G., 89
Metzler, M.R., 225
Miguel, D., 327
Mihara, T., 611
Milani, B., 89
Milius, W., 267, 297
Müller, T., 139
Muñoz, P., 507

Naka, A., 611
Nakamura, A., 345, 549
Näsman, J.H., 219
Nguyen, M.H., 225
Nilsson, K., 591
Nishibayashi, Y., 381
Nlate, S., 543

Ohe, K., 381
Ohshita, J., 611
Oro, L.A., 507
Osina, M.A., 71

Palazzi, A., 117
Papagni, A., 9
Park, J.E., 99
Park, J.T., 99
Patel, D.K., 607
Paul, F., 615
Pedulli, G.F., 475
Peng, P.S.-M., 151
Permin, A.B., 201
Petrosyan, V.S., 201
Pietzsch, C., 421
Pin, C.-W., 151
Pinilla, E., 93
Preston, K.F., 607
Prosenc, M.-H., 291

Raithby, P.R., 567
Ramírez, L.R., 191
Randaccio, L., 89
Rausch, M.D., 35
Rheingold, A.L., 27, 277
Rickard, C.E.F., 249, 619
Riera, V., 327
Robin-Le Guen, F., 357, 447
Roper, W.R., 619
Rose, E., 9
Rose-Munch, F., 9
Rüffer, T., 169
Ruiz, A., 79
Ruiz, N., 79
Russell, D.R., 581

Safa, K.D., 61
Sargordan, M., 61
Schaade, M., 315
Scheer, M., 451
Schertl, P., 553
Schneider, N., 291
Schöpper, N., 139
Schwarze, B., 297
Schweiger, M.J., 17
Segawa, K., 381
Senechal, D., 357
Sénéchal-Tocquer, M.-C., 447
Senechal-Tocquer, M.C., 357
Sessanta o Santi, A., 89
Sheng, T.-L., 587
Shestakova, A.K., 71
Shim, S.-C., 337
Shiu, C.-W., 151
Silaghi-Dumitrescu, I., 1
Silaghi-Dumitrescu, L., 1
Skelton, B.W., 207
Solans, X., 131
Son, D.Y., 185
Song, H., 99
Song, X., 597
Steinborn, D., 169
Stephenson, G.R., 9
Struchkov, Y.T., 71
Su, C.-J., 151
Sünkel, K., 17
Susperregui, J., 559

Tacke, M., 105
Takahata, H., 369, 531
Takei, F., 369
Tanase, T., 531
Tani, K., 345, 549
Taylor, M.J., 249
Teuber, R., 105
Thompson, D.M., 607
Thompson, L.K., 607
Toscano, R.A., 191
Trostyanskaya, I.G., 71

Uemura, S., 381
Uhlig, W., 281
Ullenius, C., 591

Vaisserman, J., 9
Valderrama, M., 507
Vecchi, D., 475
Viguri, F., 507
Vogelgesang, J., 407
Voigt, F., 421
Von Philipsborn, W., 315
Voskoboynikov, A.Z., 71

Wang, M., 327
Wang, T.-F., 179
Webster, M., 111
Weyland, T., 615
White, A.H., 207
Wilén, C.-E., 219
Willem, R., 559
Williams, M.L., 519
Winterhalter, U., 407
Woodgate, P.D., 225
Wrackmeyer, B., 297
Wright, L.J., 619
Wu, B., 587
Wu, X.-T., 587

Xu, S., 435

Yamamoto, Y., 369, 531, 577
Yanovsky, A.I., 71
Yap, G.P.A., 27
Yasuda, H., 549
Yoon, K., 185
You, X.-z., 309
Yu, S.-Y., 587

Zangrando, E., 89
Zanotti, V., 117
Zhang, W.-J., 587
Zhang, Y., 435
Zhong, X., 435
Zhou, X., 435
Zhou, X.-g., 309
Ziller, J.W., 157
Ziniuk, Z., 441

ELSEVIER

Journal of Organometallic Chemistry 545–546 (1997) 627–636

Journal of Organometallic Chemistry

Subject Index of Volumes 545–546

Ab-initio calculation
The X-ray structure of Fe(fulvene)$_2$: The missing link in the direct synthesis of ansa- and Cp^1-metallocenes (Cp^1 = $C_5H_4CHMe_2$) (R. Teuber, R. Köppe, G. Linti and M. Tacke), 105

Ab initio calculation
Ab initio study of the basicity and propensity of siloxanols towards hydrogen bond formation (M. Cypryk), 483

Alkenes
Reactivity of bicyclic *N*-pyrrolylboranes (B. Wrackmeyer, B. Schwarze and W. Milius), 297

Alkenyl
Thermochemistry of pentacarbonyl(2-propenyl)manganese and tetracarbonyl(η^3-2-propenyl)manganese. Thermochemical considerations in alkenyl isomerisation reactions (S.J. Addison, J.A. Connor and J.A. Kincaid), 39

Alkyl
Examination of the $LnCl_3$/RLi alkylation system for organic synthesis using yttrium as a probe including the X-ray crystal structure of $Li_2Y_8Cl_{18}O_4(THF)_{12}$ (W.J. Evans, M.A. Ansari, J.D. Feldman, R.J. Doedens and J.W. Ziller), 157

Alkylation
Gas phase alkylation of phenyltrimethylgermanes (B. Chiavarino, M.E. Crestoni and S. Fornarini), 45

Alkylation reagents
Examination of the $LnCl_3$/RLi alkylation system for organic synthesis using yttrium as a probe including the X-ray crystal structure of $Li_2Y_8Cl_{18}O_4(THF)_{12}$ (W.J. Evans, M.A. Ansari, J.D. Feldman, R.J. Doedens and J.W. Ziller), 157

Alkyne
π-Complexation between a mixed methylalkenylcuprate and an alkyne. Further insight into the mechanism of organocopper additions to ynoates (K. Nilsson, T. Andersson and C. Ullenius), 591
Octamethylferrocenylethynyl units as peripheral groups in rigid, π-conjugated molecular architectures (P. Jutzi and B. Kleinebekel), 573

Alkynes
Reactivity of bicyclic *N*-pyrrolylboranes (B. Wrackmeyer, B. Schwarze and W. Milius), 297

Allene
π-Complexation between a mixed methylalkenylcuprate and an alkyne. Further insight into the mechanism of organocopper additions to ynoates (K. Nilsson, T. Andersson and C. Ullenius), 591

Allyl
Photoexcitation of iron–allyl complexes (η^5:η^1-$C_5H_4CH_2CH_2PPh_2$)Fe(CO)(η^1-$CH_2CR{=}CH_2$) (R = H, CH_3) which contains a tethered phosphine ligand (T.-F. Wang and C.-Y. Lai), 179

π-allyl
Synthesis and characterisation of some new water soluble π-allyl dicarbonyl complexes of molybdenum(II) (P.K. Baker and A.E. Jenkins), 125

Allylic rearrangement
Reactivity of bicyclic *N*-pyrrolylboranes (B. Wrackmeyer, B. Schwarze and W. Milius), 297

Amido complexes
Bridged half-sandwich niobiocenes by intramolecular CH activation (L. Djakovitch and W.A. Herrmann), 399

Amine elimination
New chelating pyridyl-indenyl and quinolyl-indenyl ligands leading to C_1 symmetrical complexes of zirconium via amine elimination. X-ray structure of [3-(2-pyridylmethyl)(indenyl)]tris(dimethylamido)Zr(IV) (Z. Ziniuk, I. Goldberg and M. Kol), 441

AM1 molecular orbital calculations
On the structure of bis(9-fluorenyl)dimethylsilane: a sterically crowded molecule with relatively low barriers of rotations around the Si–C(fluorenyl) bonds. X-ray diffraction analysis and AM1 molecular orbital calculations (L. Silaghi-Dumitrescu, I. Haiduc, R. Cea-Olivares, I. Silaghi-Dumitrescu, J. Escudié and C. Couret), 1

Anhydrous lanthanide halides
Examination of the $LnCl_3$/RLi alkylation system for organic synthesis using yttrium as a probe including the X-ray crystal structure of $Li_2Y_8Cl_{18}O_4(THF)_{12}$ (W.J. Evans, M.A. Ansari, J.D. Feldman, R.J. Doedens and J.W. Ziller), 157

Anthracene
Ligand exchange reactions of a 1,3-butadiene complex of magnesium (K. Mashima, Y. Matsuo, H. Fukumoto, K. Tani, H. Yasuda and A. Nakamura), 549

η^6-Arene
Nucleophilic addition of chromium and tungsten carbene anions to cationic organotricarbonylmetallic complexes (F. Rose-Munch, C. Le Corre-Susanne, F. Balssa, E. Rose, J. Vaisserman, E. Licandro, A. Papagni, S. Maiorana, W.-d. Meng and G.R. Stephenson), 9

Asymmetric hydroformylation
Metal complexes with atropisomeric sulfur ligands in asymmetric hydroformylation. X-ray structure of [Rh_2(μ-biphes)(cod)$_2$] (H_2biphes = 4,4′-biphenanthrene-3,3′-dithiol) (N. Ruiz, A. Aaliti, J. Forniés-Cámer, A. Ruiz, C. Claver, C.J. Cardin, D. Fabbri and S. Gladiali), 79

Atropisomeric sulfur ligands
Metal complexes with atropisomeric sulfur ligands in asymmetric hydroformylation. X-ray structure of [Rh_2(μ-biphes)(cod)$_2$] (H_2biphes = 4,4′-biphenanthrene-3,3′-dithiol) (N. Ruiz, A. Aaliti, J. Forniés-Cámer, A. Ruiz, C. Claver, C.J. Cardin, D. Fabbri and S. Gladiali), 79

Basicity
Ab initio study of the basicity and propensity of siloxanols towards hydrogen bond formation (M. Cypryk), 483

γ-Benchrotrenic pyrylium salts
Voie d'accès aux sels de pyrylium γ-benchrotréniques synthèse des premiers sels de pyrylium organométalliques à cycles condensés. Etude RMN et application à la synthèse de nouveaux complexes du benzène chrometricarbonyle (F. Robin-Le Guen, M.C. Senechal-Tocquer, D. Senechal et B. Caro), 357

Elsevier Science S.A.

Bis(9-fluorenyl)dimethylsilane
On the structure of bis(9-fluorenyl)dimethylsilane: a sterically crowded molecule with relatively low barriers of rotations around the Si–C(fluorenyl) bonds. X-ray diffraction analysis and AM1 molecular orbital calculations (L. Silaghi-Dumitrescu, I. Haiduc, R. Cea-Olivares, I. Silaghi-Dumitrescu, J. Escudié and C. Couret), 1

Bis(fulvene)iron
The X-ray structure of Fe(fulvene)$_2$: The missing link in the direct synthesis of ansa- and Cp^t-metallocenes (Cp^t = $C_5H_4CHMe_2$) (R. Teuber, R. Köppe, G. Linti and M. Tacke), 105

Bismuthine
Triphenylbismuthine complexes of group 6 metal carbonyls: X-ray crystal structures of [M(CO)$_5$(BiPh$_3$)] (M = Mo or W) (N.J. Holmes, W. Levason and M. Webster), 111

Bis(trimetaylsilyl)methyl ligand
Zur Elektronenstruktur metallorganischer Komplexe der f-Elemente XLIII. Züchtung größerer Tris(bis(trimethylsilyl)methyl)lanthanid-Einkristalle für optische und magnetochemische Untersuchungen (C. Guttenberger und H.-D. Amberger), 601

π-Bonding
π-Complexation between a mixed methylalkenylcuprate and an alkyne. Further insight into the mechanism of organocopper additions to ynoates (K. Nilsson, T. Andersson and C. Ullenius), 591

Borane adducts
Reactivity of bicyclic *N*-pyrrolylboranes (B. Wrackmeyer, B. Schwarze and W. Milius), 297

Borates
Reactivity of bicyclic *N*-pyrrolylboranes (B. Wrackmeyer, B. Schwarze and W. Milius), 297

Boron
Reactivity of bicyclic *N*-pyrrolylboranes (B. Wrackmeyer, B. Schwarze and W. Milius), 297

Bridged complexes
Thermal rearrangement reaction of disilyl-bridged bis(tetramethyl cyclopentadienyl) tetracarbonyl diiron. The molecular structures of (Me$_2$SiSiMe$_2$)[(η^5-C_5Me_4)Fe(CO)]$_2$(μ-CO)$_2$ and [(Me$_2$Si)(η^5-C_5Me_4)Fe(CO)$_2$]$_2$ (X. Zhou, X. Zhong, Y. Zhang and S. Xu), 435

Calixarene
Arranging phosphoryl ligands on a calixarene platform (C.B. Dieleman, D. Matt and P.G. Jones), 461

Calixcrown
Arranging phosphoryl ligands on a calixarene platform (C.B. Dieleman, D. Matt and P.G. Jones), 461

Calixphosphine
Arranging phosphoryl ligands on a calixarene platform (C.B. Dieleman, D. Matt and P.G. Jones), 461

Calorimetry
Thermochemistry of pentacarbonyl(2-propenyl)manganese and tetracarbonyl(η^3-2-propenyl)manganese. Thermochemical considerations in alkenyl isomerisation reactions (S.J. Addison, J.A. Connor and J.A. Kincaid), 39

Carbamates
Catalytic formation of carbamates and cyclic carbonates by copper complex of 2,5,19,22-tetraaza[6,6](1,1′)ferrocenophane-1,5-diene. X-ray crystal structure of [Cu(1)]PF$_6$ (H.-S. Kim, J.-W. Kim, S.-C. Kwon, S.-C. Shim and T.-J. Kim), 337

Carbocations
Structure of *Z*- and *E*-2-bromo-1-ferrocenyl-1-phenylcyclopropanes and 3-ferrocenyl-3-phenylcyclopropene and their three-membered ring opening reactions (E.I. Klimova, B.T. Klimova, L.R. Ramírez, G.M. Martínez, T.C. Alvarez, P.G. Espinosa and R.A. Toscano), 191

Carbon-13 nuclear magnetic resonance
π-Complexation between a mixed methylalkenylcuprate and an alkyne. Further insight into the mechanism of organocopper additions to ynoates (K. Nilsson, T. Andersson and C. Ullenius), 591

Carbonyl
Stereoselective synthesis and some reactions of β-(η^6-arene)Cr(CO)$_3$ complexes of podocarpic acid derivatives (G.R. Clark, B. Kuipers, M.R. Metzler, M.H. Nguyen and P.D. Woodgate), 225

Catalysis
ansa-Bis(fluorenyl)komplexe des Zirconiums und Hafniums mit Silicium in der Brücke: Synthese und Polymerisationseigenschaften (P. Schertl and H.G. Alt), 553
Palladium–Copper catalyzed coupling of iron σ-metalla-alkynes with aryl halides. A simple way to link electroactive organoiron complexes with aromatic structures (R. Denis, T. Weyland, F. Paul and C. Lapinte), 615

CH activation
Bridged half-sandwich niobiocenes by intramolecular CH activation (L. Djakovitch and W.A. Herrmann), 399

Chalcogenide ligands
Tris(diphenylthiophosphinoyl)methanide as tripod ligand in rhodium(III), iridium(III) and ruthenium(II) complexes. Crystal structures of [(η^5-C_5Me_5)Ir(η^3-(SPPh$_2$)$_3$C-S,S′,S″)]BF$_4$ and [(η^6-$MeC_6H_4Pr^i$)Ru(η^3-(SPPh$_2$)$_3$C-S,S′,S″)]BPh$_4$ (M. Valderrama, R. Contreras, V. Arancibia, P. Muñoz, D. Boys, M.P. Lamata, F. Viguri, D. Carmona, F.J. Lahoz, J.A. López and L.A. Oro), 507

C–H bonds
Stoichiometric and catalytic activation of sp^2 C–H bonds: molecular structure of Os$_3$(μ-H)(μ$_3$-^{n}BuOC=CHPEt$_2$)(CO)$_9$ and catalytic properties of this and related Os and Ru clusters (A.Z. Voskoboynikov, M.A. Osina, A.K. Shestakova, M.A. Kazankova, I.G. Trostyanskaya, I.P. Beletskaya, F.M. Dolgushin, A.I. Yanovsky and Y.T. Struchkov), 71

Chelate
Photoexcitation of iron–allyl complexes (η^5:η^1-$C_5H_4CH_2CH_2PPh_2$)Fe(CO)(η^1-$CH_2CR=CH_2$) (R = H, CH_3) which contains a tethered phosphine ligand (T.-F. Wang and C.-Y. Lai), 179

Chromium
Einkernige Derivate der Hexacarbonylmetalle, M(CO)$_6$ (M = Cr, Mo, W), mit dem mehrzähnigen Liganden Tri(1-cyclohepta-2,4,6-trienyl)phosphan, P(C_7H_7)$_3$ (M. Herberhold, K. Bauer and W. Milius), 267
Stereoselective synthesis and some reactions of β-(η^6-arene)Cr(CO)$_3$ complexes of podocarpic acid derivatives (G.R. Clark, B. Kuipers, M.R. Metzler, M.H. Nguyen and P.D. Woodgate), 225
Triphenylbismuthine complexes of group 6 metal carbonyls: X-ray crystal structures of [M(CO)$_5$(BiPh$_3$)] (M = Mo or W) (N.J. Holmes, W. Levason and M. Webster), 111

Chromium carbene
Nucleophilic addition of chromium and tungsten carbene anions to cationic organotricarbonylmetallic complexes (F. Rose-Munch, C. Le Corre-Susanne, F. Balssa, E. Rose, J. Vaisserman, E. Licandro, A. Papagni, S. Maiorana, W.-d. Meng and G.R. Stephenson), 9

Cis-octahedral crystal structures
Synthesis and structures of intramolecularly hexacoordinated organotin chlorides containing the (3-(2-methoxy)ethoxy)propyl moiety (J. Susperregui, M. Bayle, J.M. Léger, G. Déléris, M. Biesemans, R. Willem, M. Kemmer and M. Gielen), 559

Co complexes
Dreikomponentenreaktionen unter photochemischen Bedingungen—der Transformationsweg des P$_4$-Phosphors in der Koordinationssphäre von Co-Komplexen (M. Scheer und U. Becker), 451

σ-complexes
Gas phase alkylation of phenyltrimethylgermanes (B. Chiavarino, M.E. Crestoni and S. Fornarini), 45

Cocondensation
The X-ray structure of Fe(fulvene)$_2$: The missing link in the direct synthesis of ansa- and Cp'-metallocenes (Cp' = $C_5H_4CHMe_2$) (R. Teuber, R. Köppe, G. Linti and M. Tacke), 105
CO_2 insertion
Catalytic formation of carbamates and cyclic carbonates by copper complex of 2,5,19,22-tetraaza[6.6](1,1')ferrocenophane-1,5-diene. X-ray crystal structure of [Cu(1)]PF_6 (H.-S. Kim, J.-W. Kim, S.-C. Kwon, S.-C. Shim and T.-J. Kim), 337
Conformations of bis(9-fluorenyl)dimethylsilane
On the structure of bis(9-fluorenyl)dimethylsilane: a sterically crowded molecule with relatively low barriers of rotations around the Si–C(fluorenyl) bonds. X-ray diffraction analysis and AM1 molecular orbital calculations (L. Silaghi-Dumitrescu, I. Haiduc, R. Cea-Olivares, I. Silaghi-Dumitrescu, J. Escudié and C. Couret), 1
Constrained geometry
New chelating pyridyl-indenyl and quinolyl-indenyl ligands leading to C_1 symmetrical complexes of zirconium via amine elimination. X-ray structure of [3-(2-pyridylmethyl)(indenyl)]tris(dimethylamido)Zr(IV) (Z. Ziniuk, I. Goldberg and M. Kol), 441
Copper
Catalytic formation of carbamates and cyclic carbonates by copper complex of 2,5,19,22-tetraaza[6.6](1,1')ferrocenophane-1,5-diene. X-ray crystal structure of [Cu(1)]PF_6 (H.-S. Kim, J.-W. Kim, S.-C. Kwon, S.-C. Shim and T.-J. Kim), 337
π-Complexation between a mixed methylalkenylcuprate and an alkyne. Further insight into the mechanism of organocopper additions to ynoates (K. Nilsson, T. Andersson and C. Ullenius), 591
Copper(I)
The first heterotrinuclear Pd–Cu cluster with two μ_3-S bridging atoms. Synthesis and structure of $[Pd_2(PPh_3)_4(\mu_3\text{-}S)_2(CuPPh_3)]_2(W_6O_{19})$ (B. Wu, W.-J. Zhang, S.-Y. Yu, T.-L. Sheng and X.-T. Wu), 587
Crystal structure
Kohlenwasserstoffverbrückte Metallkomplexe: XXXVII [1]. Mono- und dimetallierte Heterocyclopentedione mit Molybdän-, Wolfram-, Mangan- und Rheniumcarbonylen (M.J. Schweiger, T. Ederer, K. Sünkel und W. Beck), 17
New chelating pyridyl-indenyl and quinolyl-indenyl ligands leading to C_1 symmetrical complexes of zirconium via amine elimination. X-ray structure of [3-(2-pyridylmethyl)(indenyl)]tris(dimethylamido)Zr(IV) (Z. Ziniuk, I. Goldberg and M. Kol), 441
Osmium complexes containing either chelating or non-chelating 8-quinolyl ligands (A.M. Clark, C.E.F. Rickard, W.R. Roper and L.J. Wright), 619
Stereoselective synthesis and some reactions of β-(η^6-arene)$Cr(CO)_3$ complexes of podocarpic acid derivatives (G.R. Clark, B. Kuipers, M.R. Metzler, M.H. Nguyen and P.D. Woodgate), 225
Synthese, Struktur von 3-(*N*,*N*-dimethylamino)propyl- und 2-(Dimethylaminomethyl)ferrocenyl-Derivaten des Goldes und Platins (K. Jacob, F. Voigt, K. Merzweiler und C. Pietzsch), 421
Synthesis and reactions of coordinatively unsaturated 16-electron chalcogenolate complexes, $Ru(EAr)_2(\eta^6\text{-arene})$ and cationic binuclear chalcogenolate complexes, $[(\eta^6\text{-arene})Ru(\mu\text{-}EPh)_3Ru(\eta^6\text{-arene})]PF_6$ (K. Mashima, S.-i. Kaneko, K. Tani, H. Kaneyoshi and A. Nakamura), 345
Synthesis and structure of novel chiral oxazolinylferrocenes and oxazolinylferrocenylphosphines, and their rhodium(I)-complexes (Y. Nishibayashi, K. Segawa, Y. Arikawa, K. Ohe, M. Hidai and S. Uemura), 381
C_1 symmetry
New chelating pyridyl-indenyl and quinolyl-indenyl ligands leading to C_1 symmetrical complexes of zirconium via amine elimination. X-ray structure of [3-(2-pyridylmethyl)(indenyl)]tris(dimethylamido)Zr(IV) (Z. Ziniuk, I. Goldberg and M. Kol), 441
Cyclic carbonates
Catalytic formation of carbamates and cyclic carbonates by copper complex of 2,5,19,22-tetraaza[6.6](1,1')ferrocenophane-1,5-diene. X-ray crystal structure of [Cu(1)]PF_6 (H.-S. Kim, J.-W. Kim, S.-C. Kwon, S.-C. Shim and T.-J. Kim), 337
η^5-Cyclohexadienyl
Nucleophilic addition of chromium and tungsten carbene anions to cationic organotricarbonylmetallic complexes (F. Rose-Munch, C. Le Corre-Susanne, F. Balssa, E. Rose, J. Vaisserman, E. Licandro, A. Papagni, S. Maiorana, W.-d. Meng and G.R. Stephenson), 9
Cyclometallation
Steric and electronic effects on *E*/*Z* composition of exocyclic cyclopalladated *N*-benzylideneamines (J. Albert, J. Granell, A. Luque, M. Font-Bardía and X. Solans), 131
Cyclooctatetraene
Ligand exchange reactions of a 1,3-butadiene complex of magnesium (K. Mashima, Y. Matsuo, H. Fukumoto, K. Tani, H. Yasuda and A. Nakamura), 549
Cyclopentadiene
Photoexcitation of iron–allyl complexes (η^5:η^1-$C_5H_4CH_2CH_2PPh_2$)Fe(CO)(η^1-$CH_2CR{=}CH_2$) (R = H, CH_3) which contains a tethered phosphine ligand (T.-F. Wang and C.-Y. Lai), 179
Cyclopentadienyls
Synthesis and molecular structure of $[Cp'_2V(\mu\text{-}S)_2VCp']_2(\mu\text{-}O)$ (O.M. Kekia and A.L. Rheingold), 277
Cyclopentenediones
Kohlenwasserstoffverbrückte Metallkomplexe: XXXVII [1]. Mono- und dimetallierte Heterocyclopentedione mit Molybdän-, Wolfram-, Mangan- und Rheniumcarbonylen (M.J. Schweiger, T. Ederer, K. Sünkel und W. Beck), 17
Cyclotetraphosphines
Dreikomponentenreaktionen unter photochemischen Bedingungen—der Transformationsweg des P_4-Phosphors in der Koordinationssphäre von Co-Komplexen (M. Scheer und U. Becker), 451

Dative amine aluminum bonds
Coordination of alane and aluminum alkyls to the N-donor atom of side chain functionalized cyclopentadienyl iron and nickel complexes; structure of $[[(C_5H_5)(C_5H_4CH_2NMe_2)]Fe]_2AlH_3$ (S. Nlate, E. Herdtweck, J. Blümel and R.A. Fischer), 543
Dehydrobromination
Structure of *Z*- and *E*-2-bromo-1-ferrocenyl-1-phenylcyclopropanes and 3-ferrocenyl-3-phenylcyclopropene and their three-membered ring opening reactions (E.I. Klimova, B.T. Klimova, L.R. Ramírez, G.M. Martínez, T.C. Alvarez, P.G. Espinosa and R.A. Toscano), 191
Dicarbonyl complexes
Synthesis and characterisation of some new water soluble π-allyl dicarbonyl complexes of molybdenum(II) (P.K. Baker and A.E. Jenkins), 125
Diels–Alder reaction
Reactivity of bicyclic *N*-pyrrolylboranes (B. Wrackmeyer, B. Schwarze and W. Milius), 297
Diene
Ligand exchange reactions of a 1,3-butadiene complex of magnesium (K. Mashima, Y. Matsuo, H. Fukumoto, K. Tani, H. Yasuda and A. Nakamura), 549
Dimeric
Synthesis and characterization of $[Me_2M\text{-}\mu\text{-}N(H)NMe_2]_2$ (M = Al, Ga). Crystal structure of *trans* $[Me_2Al\text{-}\mu\text{-}N(H)NMe_2]_2$ (Y. Kim, J.H. Kim, J.E. Park, H. Song and J.T. Park), 99
2-(Dimethylaminomethyl)ferrocenyl
Synthese, Struktur von 3-(*N*,*N*-dimethylamino)propyl- und 2-(Dimethylaminomethyl)ferrocenyl-Derivaten des Goldes und Platins (K. Jacob, F. Voigt, K. Merzweiler und C. Pietzsch), 421

1,1-Dimethylhydrazine
Synthesis and characterization of $[Me_2M\text{-}\mu\text{-}N(H)NMe_2]_2$ (M = Al, Ga). Crystal structure of *trans* $[Me_2Al\text{-}\mu\text{-}N(H)NMe_2]_2$ (Y. Kim, J.H. Kim, J.E. Park, H. Song and J.T. Park), 99
3,5-Dimethylpyrazolyl
Insertion of dimethylsilanone into a Ln–N bond and X-ray crystal structure of the insertion product $[MeCpDy(\eta^2\text{-}PzMe_2)(\mu\text{-}\eta^1{:}\eta^2\text{-}OSiMe_2PzMe_2)]$ (X.-g. Zhou, W.-w. Ma, Z.-e. Huang, R.-f. Cai, X.-z. You and X.-y. Huang), 309
Dinuclear
Synthesis and reactions of coordinatively unsaturated 16-electron chalcogenolate complexes, $Ru(EAr)_2(\eta^6\text{-arene})$ and cationic binuclear chalcogenolate complexes, $[(\eta^6\text{-arene})Ru(\mu\text{-}EPh)_3Ru(\eta^6\text{-arene})]PF_6$ (K. Mashima, S.-i. Kaneko, K. Tani, H. Kaneyoshi and A. Nakamura), 345
Dipeptide
Kohlenwasserstoffverbrückte Metallkomplexe: XXXVII [1]. Mono- und dimetallierte Heterocyclopentedione mit Molybdän-, Wolfram-, Mangan- und Rheniumcarbonylen (M.J. Schweiger, T. Ederer, K. Sünkel und W. Beck), 17
Diphenylacetylene
Ligand exchange reactions of a 1,3-butadiene complex of magnesium (K. Mashima, Y. Matsuo, H. Fukumoto, K. Tani, H. Yasuda and A. Nakamura), 549
Dysprosium
Insertion of dimethylsilanone into a Ln–N bond and X-ray crystal structure of the insertion product $[MeCpDy(\eta^2\text{-}PzMe_2)(\mu\text{-}\eta^1{:}\eta^2\text{-}OSiMe_2PzMe_2)]$ (X.-g. Zhou, W.-w. Ma, Z.-e. Huang, R.-f. Cai, X.-z. You and X.-y. Huang), 309

Electrochemistry
Alkylferrocenes: A simple preparation from lithioferrocenes and their aqueous electrochemistry (S.D. Dietz, W.L. Bell and R.L. Cook), 67
Octamethylferrocenylethynyl units as peripheral groups in rigid, π-conjugated molecular architectures (P. Jutzi and B. Kleinebekel), 573
16-electron complex
Synthesis and reactions of coordinatively unsaturated 16-electron chalcogenolate complexes, $Ru(EAr)_2(\eta^6\text{-arene})$ and cationic binuclear chalcogenolate complexes, $[(\eta^6\text{-arene})Ru(\mu\text{-}EPh)_3Ru(\eta^6\text{-arene})]PF_6$ (K. Mashima, S.-i. Kaneko, K. Tani, H. Kaneyoshi and A. Nakamura), 345
EPR spectroscopy
Free radical chemistry associated with $H(RSiH)_nH$ (C. Chatgilialoglu, C. Ferreri, D. Vecchi, M. Lucarini and G.F. Pedulli), 475
Ethylene polymerization
ansa-Bis(fluorenyl)komplexe des Zirconiums und Hafniums mit Silicium in der Brücke: Synthese und Polymerisationseigenschaften (P. Schertl and H.G. Alt), 553
E/Z isomerization
Steric and electronic effects on *E/Z* composition of exocyclic cyclopalladated *N*-benzylideneamines (J. Albert, J. Granell, A. Luque, M. Font-Bardía and X. Solans), 131

Ferrocene
Alkylferrocenes: A simple preparation from lithioferrocenes and their aqueous electrochemistry (S.D. Dietz, W.L. Bell and R.L. Cook), 67
Octamethylferrocenylethynyl units as peripheral groups in rigid, π-conjugated molecular architectures (P. Jutzi and B. Kleinebekel), 573
Synthesis and structure of novel chiral oxazolinylferrocenes and oxazolinylferrocenylphosphines, and their rhodium(I)-complexes (Y. Nishibayashi, K. Segawa, Y. Arikawa, K. Ohe, M. Hidai and S. Uemura), 381
Ferrocene-containing macrocycle
Catalytic formation of carbamates and cyclic carbonates by copper complex of 2,5,19,22-tetraaza[6,6](1,1')ferrocenophane-1,5-diene. X-ray crystal structure of $[Cu(1)]PF_6$ (H.-S. Kim, J.-W. Kim, S.-C. Kwon, S.-C. Shim and T.-J. Kim), 337
Ferrocenylcyclopropene
Structure of *Z*- and *E*-2-bromo-1-ferrocenyl-1-phenylcyclopropanes and 3-ferrocenyl-3-phenylcyclopropene and their three-membered ring opening reactions (E.I. Klimova, B.T. Klimova, L.R. Ramírez, G.M. Martínez, T.C. Alvarez, P.G. Espinosa and R.A. Toscano), 191
Fluorenyl
ansa-Bis(fluorenyl)komplexe des Zirconiums und Hafniums mit Silicium in der Brücke: Synthese und Polymerisationseigenschaften (P. Schertl and H.G. Alt), 553
Silicon–carbon bridged bis(fluorenyl) and bis(octahydrofluorenyl) *ansa*-zirconocenes: synthesis, characterization and ethylene polymerization catalysis (R. Leino, H.J.G. Luttikhedde, A. Lehtonen, C.-E. Wilén and J.H. Näsman), 219
Free radicals
Free radical chemistry associated with $H(RSiH)_nH$ (C. Chatgilialoglu, C. Ferreri, D. Vecchi, M. Lucarini and G.F. Pedulli), 475
Fulvenes
The X-ray structure of $Fe(fulvene)_2$: The missing link in the direct synthesis of ansa- and Cp^I-metallocenes ($Cp^I = C_5H_4CHMe_2$) (R. Teuber, R. Köppe, G. Linti and M. Tacke), 105
Functionalized cyclopentadienyl
Chirale Tripod-Liganden mit einer Cyclopentadienyl- und zwei Phosphin-Donorfunktionen: Synthese und Komplexchemie (B. Antelmann, U. Winterhalter, G. Huttner, B.C. Janssen und J. Vogelgesang), 407

Gadolinium
Insertion of dimethylsilanone into a Ln–N bond and X-ray crystal structure of the insertion product $[MeCpDy(\eta^2\text{-}PzMe_2)(\mu\text{-}\eta^1{:}\eta^2\text{-}OSiMe_2PzMe_2)]$ (X.-g. Zhou, W.-w. Ma, Z.-e. Huang, R.-f. Cai, X.-z. You and X.-y. Huang), 309
Gallium triiodide
Adducts of GaI_3 and InI_3 with Ph_3P and Ph_3As (L.-J. Baker, L.A. Kloo, C.E.F. Rickard and M.J. Taylor), 249
^{71}Ga NMR
Adducts of GaI_3 and InI_3 with Ph_3P and Ph_3As (L.-J. Baker, L.A. Kloo, C.E.F. Rickard and M.J. Taylor), 249
Gas phase
Gas phase alkylation of phenyltrimethylgermanes (B. Chiavarino, M.E. Crestoni and S. Fornarini), 45
Gas phase germylation of simple aromatics by Me_3Ge^+ ions (B. Chiavarino, M.E. Crestoni and S. Fornarini), 53
Gold
Synthese, Struktur von 3-(*N,N*-dimethylamino)propyl- und 2-(Dimethylaminomethyl)ferrocenyl-Derivaten des Goldes und Platins (K. Jacob, F. Voigt, K. Merzweiler und C. Pietzsch), 421

Hafnium
ansa-Bis(fluorenyl)komplexe des Zirconiums und Hafniums mit Silicium in der Brücke: Synthese und Polymerisationseigenschaften (P. Schertl and H.G. Alt), 553
Halogen
Simplified preparations of trialkylsilyl- and bis(trialkylsilyl)dihalomethanes via the deprotonation of dihalomethanes (K. Yoon and D.Y. Son), 185

Heteroleptic complexes
Darstellung und Struktur von hetero- und homoleptischen Thiomethylnickelkomplexen (F. Becke, T. Rüffer, R. Boese, D. Bläser und D. Steinborn), 169
Heterotrinuclear
The first heterotrinuclear Pd–Cu cluster with two μ_3-S bridging atoms. Synthesis and structure of $[Pd_2(PPh_3)_4(\mu_3\text{-}S)_2(CuPPh_3)]_2(W_6O_{19})$ (B. Wu, W.-J. Zhang, S.-Y. Yu, T.-L. Sheng and X.-T. Wu), 587
Hexatungstate
The first heterotrinuclear Pd–Cu cluster with two μ_3-S bridging atoms. Synthesis and structure of $[Pd_2(PPh_3)_4(\mu_3\text{-}S)_2(CuPPh_3)]_2(W_6O_{19})$ (B. Wu, W.-J. Zhang, S.-Y. Yu, T.-L. Sheng and X.-T. Wu), 587
HMQC NMR
Synthesis and structures of intramolecularly hexacoordinated organotin chlorides containing the (3-(2-methoxy)ethoxy)propyl moiety (J. Susperregui, M. Bayle, J.M. Léger, G. Déléris, M. Biesemans, R. Willem, M. Kemmer and M. Gielen), 559
Homo- and heterobimetallics
Preparation and reactivity of mono- and binuclear nitrosyl molybdenum complexes containing S_2CPCy_3 ligands. Crystal structure of $[(OC)_2(ON)Mo(\mu\text{-}Br)(\mu\text{-}S_2CPCy_3)Mo(CO)_2(PEt_3)]$ (D. Miguel, V. Riera, M. Wang, C. Bois and Y. Jeannin), 327
Homoleptic complexes
Darstellung und Struktur von hetero- und homoleptischen Thiomethylnickelkomplexen (F. Becke, T. Rüffer, R. Boese, D. Bläser und D. Steinborn), 169
Hydrazidoalane
Synthesis and characterization of $[Me_2M\text{-}\mu\text{-}N(H)NMe_2]_2$ (M = Al, Ga). Crystal structure of *trans* $[Me_2Al\text{-}\mu\text{-}N(H)NMe_2]_2$ (Y. Kim, J.H. Kim, J.E. Park, H. Song and J.T. Park), 99
Hydrazidogallane
Synthesis and characterization of $[Me_2M\text{-}\mu\text{-}N(H)NMe_2]_2$ (M = Al, Ga). Crystal structure of *trans* $[Me_2Al\text{-}\mu\text{-}N(H)NMe_2]_2$ (Y. Kim, J.H. Kim, J.E. Park, H. Song and J.T. Park), 99
Hydrazine
Synthesis and reactions of coordinatively unsaturated 16-electron chalcogenolate complexes, $Ru(EAr)_2(\eta^6\text{-arene})$ and cationic binuclear chalcogenolate complexes, $[(\eta^6\text{-arene})Ru(\mu\text{-}EPh)_3Ru(\eta^6\text{-arene})]PF_6$ (K. Mashima, S.-i. Kaneko, K. Tani, H. Kaneyoshi and A. Nakamura), 345
Hydrogenation reaction
Parahydrogen induced polarization in the Pt(0)-mediated hydrogenation of alkynes and alkenes (S. Klages, A.B. Permin, V.S. Petrosyan and J. Bargon), 201
Hydrogen complex formation
Ab initio study of the basicity and propensity of siloxanols towards hydrogen bond formation (M. Cypryk), 483
Hydrosolubility
Synthesis and structures of intramolecularly hexacoordinated organotin chlorides containing the (3-(2-methoxy)ethoxy)propyl moiety (J. Susperregui, M. Bayle, J.M. Léger, G. Déléris, M. Biesemans, R. Willem, M. Kemmer and M. Gielen), 559

Imido complexes
Bridged half-sandwich niobiocenes by intramolecular CH activation (L. Djakovitch and W.A. Herrmann), 399
Indium triiodide
Adducts of GaI_3 and InI_3 with Ph_3P and Ph_3As (L.-J. Baker, L.A. Kloo, C.E.F. Rickard and M.J. Taylor), 249
Ion cyclotron resonance
Gas phase germylation of simple aromatics by Me_3Ge^+ ions (B. Chiavarino, M.E. Crestoni and S. Fornarini), 53
Iridium
Metal complexes with atropisomeric sulfur ligands in asymmetric hydroformylation. X-ray structure of $[Rh_2(\mu\text{-biphes})(cod)_2]$ (H$_2$biphes = 4,4′-biphenanthrene-3,3′-dithiol) (N. Ruiz, A. Aaliti, J. Forniés-Cámer, A. Ruiz, C. Claver, C.J. Cardin, D. Fabbri and S. Gladiali), 79
Tris(diphenylthiophosphinoyl)methanide as tripod ligand in rhodium(III), iridium(III) and ruthenium(II) complexes. Crystal structures of $[(\eta^5\text{-}C_5Me_5)Ir\{\eta^3\text{-}(SPPh_2)_3C\text{-}S,S',S''\}]BF_4$ and $[(\eta^6\text{-}MeC_6H_4Pr^i)Ru\{\eta^3\text{-}(SPPh_2)_3C\text{-}S,S',S''\}]BPh_4$ (M. Valderrama, R. Contreras, V. Arancibia, P. Muñoz, D. Boys, M.P. Lamata, F. Viguri, D. Carmona, F.J. Lahoz, J.A. López and L.A. Oro), 507
Iron
Photoexcitation of iron–allyl complexes $(\eta^5\text{:}\eta^1\text{-}C_5H_4CH_2CH_2PPh_2)Fe(CO)(\eta^1\text{-}CH_2CR{=}CH_2)$ (R = H, CH_3) which contains a tethered phosphine ligand (T.-F. Wang and C.-Y. Lai), 179
The X-ray structure of $Fe(fulvene)_2$: The missing link in the direct synthesis of ansa- and Cp′-metallocenes ($Cp' = C_5H_4CHMe_2$) (R. Teuber, R. Köppe, G. Linti and M. Tacke), 105
Thermal rearrangement reaction of disilyl-bridged bis(tetramethyl cyclopentadienyl) tetracarbonyl diiron. The molecular structures of $(Me_2SiSiMe_2)(\eta^5\text{-}C_5Me_4)Fe(CO)]_2(\mu\text{-}CO)_2$ and $[(Me_2Si)(\eta^5\text{-}C_5Me_4)Fe(CO)_2]_2$ (X. Zhou, X. Zhong, Y. Zhang and S. Xu), 435
Iron acetylide
Palladium–Copper catalyzed coupling of iron σ-metalla-alkynes with aryl halides. A simple way to link electroactive organoiron complexes with aromatic structures (R. Denis, T. Weyland, F. Paul and C. Lapinte), 615
Iron complexes
Nucleophilic addition of chromium and tungsten carbene anions to cationic organotricarbonylmetallic complexes (F. Rose-Munch, C. Le Corre-Susanne, F. Balssa, E. Rose, J. Vaisserman, E. Licandro, A. Papagni, S. Maiorana, W.-d. Meng and G.R. Stephenson), 9
Isocyanide
Di- and trinuclear complexes of palladium with a triphosphine ligand, bis(diphenylphosphinomethyl)phenylphosphine (T. Tanase, H. Takahata, M. Hasegawa and Y. Yamamoto), 531
Isomerisation
Thermochemistry of pentacarbonyl(2-propenyl)manganese and tetracarbonyl(η^3-2-propenyl)manganese. Thermochemical considerations in alkenyl isomerisation reactions (S.J. Addison, J.A. Connor and J.A. Kincaid), 39

Lanthanides
Zur Elektronenstruktur metallorganischer Komplexe der f-Elemente XLIII. Züchtung größerer Tris(bis(trimethylsilyl)methyl)lanthanid-Einkristalle für optische und magnetochemische Untersuchungen (C. Guttenberger und H.-D. Amberger), 601
Lewis acid
Voie d'accès aux sels de pyrylium γ-benchrotréniques synthèse des premiers sels de pyrylium organométalliques à cycles condensés. Etude RMN et application à la synthèse de nouveaux complexes du benzène chrometricarbonyle (F. Robin-Le Guen, M.C. Senechal-Tocquer, D. Senechal et B. Caro), 357
Ligand exchange
Ligand exchange reactions of a 1,3-butadiene complex of magnesium (K. Mashima, Y. Matsuo, H. Fukumoto, K. Tani, H. Yasuda and A. Nakamura), 549
Linear dichroism spectra
Zur Elektronenstruktur metallorganischer Komplexe der f-Elemente XLIII. Züchtung größerer Tris(bis(trimethylsilyl)methyl)lanthanid-Einkristalle für optische und magnetochemische Untersuchungen (C. Guttenberger und H.-D. Amberger), 601

Magnesium
Ligand exchange reactions of a 1,3-butadiene complex of magnesium (K. Mashima, Y. Matsuo, H. Fukumoto, K. Tani, H. Yasuda and A. Nakamura), 549
Magnetic circular dichroism spectra
Zur Elektronenstruktur metallorganischer Komplexe der f-Elemente XLIII. Züchtung größerer Tris(bis(trimethylsilyl)methyl)lanthanid-Einkristalle für optische und magnetochemische Untersuchungen (C. Guttenberger und H.-D. Amberger), 601
Maleimides
Kohlenwasserstoffverbrückte Metallkomplexe: XXXVII [1]. Mono- und dimetallierte Heterocyclopentedione mit Molybdän-, Wolfram-, Mangan- und Rheniumcarbonylen (M.J. Schweiger, T. Ederer, K. Sünkel und W. Beck), 17
Manganese
Chirale Tripod-Liganden mit einer Cyclopentadienyl- und zwei Phosphin-Donorfunktionen: Synthese und Komplexchemie (B. Antelmann, U. Winterhalter, G. Huttner, B.C. Janssen und J. Vogelgesang), 407
Kohlenwasserstoffverbrückte Metallkomplexe: XXXVII [1]. Mono- und dimetallierte Heterocyclopentedione mit Molybdän-, Wolfram-, Mangan- und Rheniumcarbonylen (M.J. Schweiger, T. Ederer, K. Sünkel und W. Beck), 17
Thermochemistry of pentacarbonyl(2-propenyl)manganese and tetracarbonyl(η^3-2-propenyl)manganese. Thermochemical considerations in alkenyl isomerisation reactions (S.J. Addison, J.A. Connor and J.A. Kincaid), 39
Manganese complexes
Nucleophilic addition of chromium and tungsten carbene anions to cationic organotricarbonylmetallic complexes (F. Rose-Munch, C. Le Corre-Susanne, F. Balssa, E. Rose, J. Vaisserman, E. Licandro, A. Papagni, S. Maiorana, W.-d. Meng and G.R. Stephenson), 9
Mechanism
π-Complexation between a mixed methylalkenylcuprate and an alkyne. Further insight into the mechanism of organocopper additions to ynoates (K. Nilsson, T. Andersson and C. Ullenius), 591
Metal carbonyl
Thermal rearrangement reaction of disilyl-bridged bis(tetramethyl cyclopentadienyl) tetracarbonyl diiron. The molecular structures of $(Me_2SiSiMe_2)[(\eta^5\text{-}C_5Me_4)Fe(CO)]_2(\mu\text{-}CO)_2$ and $[(Me_2Si)(\eta^5\text{-}C_5Me_4)Fe(CO)_2]_2$ (X. Zhou, X. Zhong, Y. Zhang and S. Xu), 435
Metal carbonyls
Kohlenwasserstoffverbrückte Metallkomplexe: XXXVII [1]. Mono- und dimetallierte Heterocyclopentedione mit Molybdän-, Wolfram-, Mangan- und Rheniumcarbonylen (M.J. Schweiger, T. Ederer, K. Sünkel und W. Beck), 17
ansa-Metallocene
Silicon–carbon bridged bis(fluorenyl) and bis(octahydrofluorenyl) *ansa*-zirconocenes: synthesis, characterization and ethylene polymerization catalysis (R. Leino, H.J.G. Luttikhedde, A. Lehtonen, C.-E. Wilén and J.H. Näsman), 219
Metal–metal bond
Di- and trinuclear complexes of palladium with a triphosphine ligand, bis(diphenylphosphinomethyl)phenylphosphine (T. Tanase, H. Takahata, M. Hasegawa and Y. Yamamoto), 531
Methylcyclopentadienyl
Insertion of dimethylsilanone into a Ln–N bond and X-ray crystal structure of the insertion product $[MeCpDy(\eta^2\text{-}PzMe_2)(\mu\text{-}\eta^1{:}\eta^2\text{-}OSiMe_2PzMe_2)]$ (X.-g. Zhou, W.-w. Ma, Z.-e. Huang, R.-f. Cai, X.-z. You and X.-y. Huang), 309
MOCVD
Coordination of alane and aluminum alkyls to the N-donor atom of side chain functionalized cyclopentadienyl iron and nickel complexes; structure of $\{[(C_5H_5)(C_5H_4CH_2NMe_2)]Fe\}_2AlH_3$ (S. Nlate, E. Herdtweck, J. Blümel and R.A. Fischer), 543
Molybdenum
Einkernige Derivate der Hexacarbonylmetalle, $M(CO)_6$ (M = Cr, Mo, W), mit dem mehrzähnigen Liganden Tri(1-cyclohepta-2,4,6-trienyl)phosphan, $P(C_7H_7)_3$ (M. Herberhold, K. Bauer and W. Milius), 267
Kohlenwasserstoffverbrückte Metallkomplexe: XXXVII [1]. Mono- und dimetallierte Heterocyclopentedione mit Molybdän-, Wolfram-, Mangan- und Rheniumcarbonylen (M.J. Schweiger, T. Ederer, K. Sünkel und W. Beck), 17
Preparation and reactivity of mono- and binuclear nitrosyl molybdenum complexes containing S_2CPCy_3 ligands. Crystal structure of $[(OC)_2(ON)Mo(\mu\text{-}Br)(\mu\text{-}S_2CPCy_3)Mo(CO)_2(PEt_3)]$ (D. Miguel, V. Riera, M. Wang, C. Bois and Y. Jeannin), 327
Triphenylbismuthine complexes of group 6 metal carbonyls: X-ray crystal structures of $[M(CO)_5(BiPh_3)]$ (M = Mo or W) (N.J. Holmes, W. Levason and M. Webster), 111
Molybdenum (II)
Synthesis and characterisation of some new water soluble π-allyl dicarbonyl complexes of molybdenum(II) (P.K. Baker and A.E. Jenkins), 125
Mononuclear
Synthesis and reactions of coordinatively unsaturated 16-electron chalcogenolate complexes, $Ru(EAr)_2(\eta^6\text{-arene})$ and cationic binuclear chalcogenolate complexes, $[(\eta^6\text{-arene})Ru(\mu\text{-}EPh)_3Ru(\eta^6\text{-arene})]PF_6$ (K. Mashima, S.-i. Kaneko, K. Tani, H. Kaneyoshi and A. Nakamura), 345
Mössbauer spectroscopy
Synthese, Struktur von 3-(*N*,*N*-dimethylamino)propyl- und 2-(Dimethylaminomethyl)ferrocenyl-Derivaten des Goldes und Platins (K. Jacob, F. Voigt, K. Merzweiler und C. Pietzsch), 421
Multimetallic assembly
Octamethylferrocenylethynyl units as peripheral groups in rigid, π-conjugated molecular architectures (P. Jutzi and B. Kleinebekel), 573

N-benzylideneamines
Steric and electronic effects on *E*/*Z* composition of exocyclic cyclopalladated *N*-benzylideneamines (J. Albert, J. Granell, A. Luque, M. Font-Bardía and X. Solans), 131
Neodymium
Insertion of dimethylsilanone into a Ln–N bond and X-ray crystal structure of the insertion product $[MeCpDy(\eta^2\text{-}PzMe_2)(\mu\text{-}\eta^1{:}\eta^2\text{-}OSiMe_2PzMe_2)]$ (X.-g. Zhou, W.-w. Ma, Z.-e. Huang, R.-f. Cai, X.-z. You and X.-y. Huang), 309
Niobium
Bridged half-sandwich niobiocenes by intramolecular CH activation (L. Djakovitch and W.A. Herrmann), 399
Nitrosyl complexes
Preparation and reactivity of mono- and binuclear nitrosyl molybdenum complexes containing S_2CPCy_3 ligands. Crystal structure of $[(OC)_2(ON)Mo(\mu\text{-}Br)(\mu\text{-}S_2CPCy_3)Mo(CO)_2(PEt_3)]$ (D. Miguel, V. Riera, M. Wang, C. Bois and Y. Jeannin), 327
NMR
Einkernige Derivate der Hexacarbonylmetalle, $M(CO)_6$ (M = Cr, Mo, W), mit dem mehrzähnigen Liganden Tri(1-cyclohepta-2,4,6-trienyl)phosphan, $P(C_7H_7)_3$ (M. Herberhold, K. Bauer and W. Milius), 267
[2-(*N*,*N*-dimethylamino)ethyl]cyclopentadienyl ligand (Cp^N)
Coordination of alane and aluminum alkyls to the N-donor atom of side chain functionalized cyclopentadienyl iron and nickel complexes; structure of $\{[(C_5H_5)(C_5H_4CH_2NMe_2)]Fe\}_2AlH_3$ (S. Nlate, E. Herdtweck, J. Blümel and R.A. Fischer), 543
3-(*N*,*N*-dimethylamino)propyl
Synthese, Struktur von 3-(*N*,*N*-dimethylamino)propyl- und 2-(Dimethylaminomethyl)ferrocenyl-Derivaten des Goldes und Platins (K. Jacob, F. Voigt, K. Merzweiler und C. Pietzsch), 421

Olefin complexes
Einkernige Derivate der Hexacarbonylmetalle, $M(CO)_6$ (M = Cr, Mo, W), mit dem mehrzähnigen Liganden Tri(1-cyclohepta-2,4,6-trienyl)phosphan, $P(C_7H_7)_3$ (M. Herberhold, K. Bauer and W. Milius), 267
Olefin polymerization
Silicon–carbon bridged bis(fluorenyl) and bis(octahydrofluorenyl) *ansa*-zirconocenes: synthesis, characterization and ethylene polymerization catalysis (R. Leino, H.J.G. Luttikhedde, A. Lehtonen, C.-E. Wilén and J.H. Näsman), 219
Opening of the three-membered ring
Structure of *Z*- and *E*-2-bromo-1-ferrocenyl-1-phenylcyclopropanes and 3-ferrocenyl-3-phenylcyclopropene and their three-membered ring opening reactions (E.I. Klimova, B.T. Klimova, L.R. Ramírez, G.M. Martínez, T.C. Alvarez, P.G. Espinosa and R.A. Toscano), 191
1,1-Organoboration
Reactivity of bicyclic *N*-pyrrolylboranes (B. Wrackmeyer, B. Schwarze and W. Milius), 297
Organoiron
Palladium–Copper catalyzed coupling of iron σ-metalla-alkynes with aryl halides. A simple way to link electroactive organoiron complexes with aromatic structures (R. Denis, T. Weyland, F. Paul and C. Lapinte), 615
Organolanthanide
Insertion of dimethylsilanone into a Ln–N bond and X-ray crystal structure of the insertion product $[MeCpDy(\eta^2\text{-}PzMe_2)(\mu\text{-}\eta^1{:}\eta^2\text{-}OSiMe_2PzMe_2)]$ (X.-g. Zhou, W.-w. Ma, Z.-e. Huang, R.-f. Cai, X.-z. You and X.-y. Huang), 309
Organo-nickel and iron complexes
Coordination of alane and aluminum alkyls to the N-donor atom of side chain functionalized cyclopentadienyl iron and nickel complexes; structure of $[(C_5H_5)(C_5H_4CH_2NMe_2)]Fe)_2AlH_3$ (S. Nlate, E. Herdtweck, J. Blümel and R.A. Fischer), 543
Os and Ru clusters
Stoichiometric and catalytic activation of sp^2 C–H bonds: molecular structure of $Os_3(\mu\text{-}H)(\mu_3\text{-}^nBuOC{=}CHPEt_2)(CO)_9$ and catalytic properties of this and related Os and Ru clusters (A.Z. Voskoboynikov, M.A. Osina, A.K. Shestakova, M.A. Kazankova, I.G. Trostyanskaya, I.P. Beletskaya, F.M. Dolgushin, A.I. Yanovsky and Y.T. Struchkov), 71
Osmium
Osmium complexes containing either chelating or non-chelating 8-quinolyl ligands (A.M. Clark, C.E.F. Rickard, W.R. Roper and L.J. Wright), 619
Oxazoline
Synthesis and structure of novel chiral oxazolinylferrocenes and oxazolinylferrocenylphosphines, and their rhodium(I)-complexes (Y. Nishibayashi, K. Segawa, Y. Arikawa, K. Ohe, M. Hidai and S. Uemura), 381

Palladium
Di- and trinuclear complexes of palladium with a triphosphine ligand, bis(diphenylphosphinomethyl)phenylphosphine (T. Tanase, H. Takahata, M. Hasegawa and Y. Yamamoto), 531
Palladium–Copper catalyzed coupling of iron σ-metalla-alkynes with aryl halides. A simple way to link electroactive organoiron complexes with aromatic structures (R. Denis, T. Weyland, F. Paul and C. Lapinte), 615
Steric and electronic effects on *E*/*Z* composition of exocyclic cyclopalladated *N*-benzylideneamines (J. Albert, J. Granell, A. Luque, M. Font-Bardía and X. Solans), 131
Palladium(II)
The first heterotrinuclear Pd–Cu cluster with two μ_3-S bridging atoms. Synthesis and structure of $[Pd_2(PPh_3)_4(\mu_3\text{-}S)_2(CuPPh_3)]_2(W_6O_{19})$ (B. Wu, W.-J. Zhang, S.-Y. Yu, T.-L. Sheng and X.-T. Wu), 587
Paramagnetic NMR
Coordination of alane and aluminum alkyls to the N-donor atom of side chain functionalized cyclopentadienyl iron and nickel complexes; structure of $[(C_5H_5)(C_5H_4CH_2NMe_2)]Fe)_2AlH_3$ (S. Nlate, E. Herdtweck, J. Blümel and R.A. Fischer), 543
P_4-Bicyclotetraphosphan
Dreikomponentenreaktionen unter photochemischen Bedingungen—der Transformationsweg des P_4-Phosphors in der Koordinationssphäre von Co-Komplexen (M. Scheer und U. Becker), 451
Pentamethylcyclopentadienyl complexes
Tris(diphenylthiophosphinoyl)methanide as tripod ligand in rhodium(III), iridium(III) and ruthenium(II) complexes. Crystal structures of $[(\eta^5\text{-}C_5Me_5)Ir(\eta^3\text{-}(SPPh_2)_3C\text{-}S,S',S'')]BF_4$ and $[(\eta^6\text{-}MeC_6H_4Pr^i)Ru(\eta^3\text{-}(SPPh_2)_3C\text{-}S,S',S'')]BPh_4$ (M. Valderrama, R. Contreras, V. Arancibia, P. Muñoz, D. Boys, M.P. Lamata, F. Viguri, D. Carmona, F.J. Lahoz, J.A. López and L.A. Oro), 507
Phenyltrimethylgermanes
Gas phase alkylation of phenyltrimethylgermanes (B. Chiavarino, M.E. Crestoni and S. Fornarini), 45
Phosphane complexes
Einkernige Derivate der Hexacarbonylmetalle, $M(CO)_6$ (M = Cr, Mo, W), mit dem mehrzähnigen Liganden Tri(1-cyclohepta-2,4,6-trienyl)phosphan, $P(C_7H_7)_3$ (M. Herberhold, K. Bauer and W. Milius), 267
Phosphine
Photoexcitation of iron–allyl complexes $(\eta^5{:}\eta^1\text{-}C_5H_4CH_2CH_2PPh_2)Fe(CO)(\eta^1\text{-}CH_2CR{=}CH_2)$ (R = H, CH_3) which contains a tethered phosphine ligand (T.-F. Wang and C.-Y. Lai), 179
Synthesis and structure of novel chiral oxazolinylferrocenes and oxazolinylferrocenylphosphines, and their rhodium(I)-complexes (Y. Nishibayashi, K. Segawa, Y. Arikawa, K. Ohe, M. Hidai and S. Uemura), 381
The first heterotrinuclear Pd–Cu cluster with two μ_3-S bridging atoms. Synthesis and structure of $[Pd_2(PPh_3)_4(\mu_3\text{-}S)_2(CuPPh_3)]_2(W_6O_{19})$ (B. Wu, W.-J. Zhang, S.-Y. Yu, T.-L. Sheng and X.-T. Wu), 587
Phosphine oxide
Arranging phosphoryl ligands on a calixarene platform (C.B. Dieleman, D. Matt and P.G. Jones), 461
Phosphorus
Chirale Tripod-Liganden mit einer Cyclopentadienyl- und zwei Phosphin-Donorfunktionen: Synthese und Komplexchemie (B. Antelmann, U. Winterhalter, G. Huttner, B.C. Janssen und J. Vogelgesang), 407
Photochemistry
Photoexcitation of iron–allyl complexes $(\eta^5{:}\eta^1\text{-}C_5H_4CH_2CH_2PPh_2)Fe(CO)(\eta^1\text{-}CH_2CR{=}CH_2)$ (R = H, CH_3) which contains a tethered phosphine ligand (T.-F. Wang and C.-Y. Lai), 179
Platinum
Parahydrogen induced polarization in the Pt(0)-mediated hydrogenation of alkynes and alkenes (S. Klages, A.B. Permin, V.S. Petrosyan and J. Bargon), 201
Synthese, Struktur von 3-(*N*,*N*-dimethylamino)propyl- und 2-(Dimethylaminomethyl)ferrocenyl-Derivaten des Goldes und Platins (K. Jacob, F. Voigt, K. Merzweiler und C. Pietzsch), 421
P_4 ligands
Dreikomponentenreaktionen unter photochemischen Bedingungen—der Transformationsweg des P_4-Phosphors in der Koordinationssphäre von Co-Komplexen (M. Scheer und U. Becker), 451
Podocarpic acid derivatives,
Stereoselective synthesis and some reactions of β-$(\eta^6$-arene)$Cr(CO)_3$ complexes of podocarpic acid derivatives (G.R. Clark, B. Kuipers, M.R. Metzler, M.H. Nguyen and P.D. Woodgate), 225

Polymetallic
Examination of the $LnCl_3$/RLi alkylation system for organic synthesis using yttrium as a probe including the X-ray crystal structure of $Li_2Y_8Cl_{18}O_4(THF)_{12}$ (W.J. Evans, M.A. Ansari, J.D. Feldman, R.J. Doedens and J.W. Ziller), 157
Polysilane
Free radical chemistry associated with $H(RSiH)_nH$ (C. Chatgilialoglu, C. Ferreri, D. Vecchi, M. Lucarini and G.F. Pedulli), 475
Poly(silylenealkynes)
Funktionalisierungen und vernetzungsreaktionen an siliciumorganischen polymeren (W. Uhlig), 281
Poly(silylenemethylenes)
Funktionalisierungen und vernetzungsreaktionen an siliciumorganischen polymeren (W. Uhlig), 281
Poly(silylenephenylenes)
Funktionalisierungen und vernetzungsreaktionen an siliciumorganischen polymeren (W. Uhlig), 281
Precursor
Synthesis and characterization of $[Me_2M\text{-}\mu\text{-}N(H)NMe_2]_2$ (M = Al, Ga). Crystal structure of *trans* $[Me_2Al\text{-}\mu\text{-}N(H)NMe_2]_2$ (Y. Kim, J.H. Kim, J.E. Park, H. Song and J.T. Park), 99
Proton affinity
Ab initio study of the basicity and propensity of siloxanols towards hydrogen bond formation (M. Cypryk), 483
Pyrrole
Reactivity of bicyclic *N*-pyrrolylboranes (B. Wrackmeyer, B. Schwarze and W. Milius), 297
Pyrylium salts
Reaction of carbanion of Fischer-type carbene complexes with pyrylium salts. One pot substituted benzophenones formation by subsequent cyclization and double hydrogen β-elimination (P. Le Poul, F. Robin-Le Guen, M.-C. Sénéchal-Tocquer and B. Caro), 447

Quinoline
Osmium complexes containing either chelating or non-chelating 8-quinolyl ligands (A.M. Clark, C.E.F. Rickard, W.R. Roper and L.J. Wright), 619
Quinolyl
Osmium complexes containing either chelating or non-chelating 8-quinolyl ligands (A.M. Clark, C.E.F. Rickard, W.R. Roper and L.J. Wright), 619

Radiolysis
Gas phase alkylation of phenyltrimethylgermanes (B. Chiavarino, M.E. Crestoni and S. Fornarini), 45
Gas phase germylation of simple aromatics by Me_3Ge^+ ions (B. Chiavarino, M.E. Crestoni and S. Fornarini), 53
Reaction mechanism
The X-ray structure of $Fe(fulvene)_2$: The missing link in the direct synthesis of ansa- and Cp'-metallocenes ($Cp' = C_5H_4CHMe_2$) (R. Teuber, R. Köppe, G. Linti and M. Tacke), 105
Redox-switchable surfactants
Alkylferrocenes: A simple preparation from lithioferrocenes and their aqueous electrochemistry (S.D. Dietz, W.L. Bell and R.L. Cook), 67
Reduction
Free radical chemistry associated with $H(RSiH)_nH$ (C. Chatgilialoglu, C. Ferreri, D. Vecchi, M. Lucarini and G.F. Pedulli), 475
Rhenium
Kohlenwasserstoffverbrückte Metallkomplexe: XXXVII [1]. Mono- und dimetallierte Heterocyclopentedione mit Molybdän-, Wolfram-, Mangan- und Rheniumcarbonylen (M.J. Schweiger, T. Ederer, K. Sünkel und W. Beck), 17
Rhodium
Metal complexes with atropisomeric sulfur ligands in asymmetric hydroformylation. X-ray structure of $[Rh_2(\mu\text{-biphes})(cod)_2]$ (H_2biphes = 4,4'-biphenanthrene-3,3'-dithiol) (N. Ruiz, A. Aaliti, J. Forniés-Cámer, A. Ruiz, C. Claver, C.J. Cardin, D. Fabbri and S. Gladiali), 79
Synthesis and structure of novel chiral oxazolinylferrocenes and oxazolinylferrocenylphosphines, and their rhodium(I)-complexes (Y. Nishibayashi, K. Segawa, Y. Arikawa, K. Ohe, M. Hidai and S. Uemura), 381
Tris(diphenylthiophosphinoyl)methanide as tripod ligand in rhodium(III), iridium(III) and ruthenium(II) complexes. Crystal structures of $[(\eta^5\text{-}C_5Me_5)Ir\{\eta^3\text{-}(SPPh_2)_3C\text{-}S,S',S''\}]BF_4$ and $[(\eta^6\text{-}MeC_6H_4Pr^i)Ru\{\eta^3\text{-}(SPPh_2)_3C\text{-}S,S',S''\}]BPh_4$ (M. Valderrama, R. Contreras, V. Arancibia, P. Muñoz, D. Boys, M.P. Lamata, F. Viguri, D. Carmona, F.J. Lahoz, J.A. López and L.A. Oro), 507
Ruthenium
Synthesis and reactions of coordinatively unsaturated 16-electron chalcogenolate complexes, $Ru(EAr)_2(\eta^6\text{-arene})$ and cationic binuclear chalcogenolate complexes, $[(\eta^6\text{-arene})Ru(\mu\text{-EPh})_3Ru(\eta^6\text{-arene})]PF_6$ (K. Mashima, S.-i. Kaneko, K. Tani, H. Kaneyoshi and A. Nakamura), 345
Tris(diphenylthiophosphinoyl)methanide as tripod ligand in rhodium(III), iridium(III) and ruthenium(II) complexes. Crystal structures of $[(\eta^5\text{-}C_5Me_5)Ir\{\eta^3\text{-}(SPPh_2)_3C\text{-}S,S',S''\}]BF_4$ and $[(\eta^6\text{-}MeC_6H_4Pr^i)Ru\{\eta^3\text{-}(SPPh_2)_3C\text{-}S,S',S''\}]BPh_4$ (M. Valderrama, R. Contreras, V. Arancibia, P. Muñoz, D. Boys, M.P. Lamata, F. Viguri, D. Carmona, F.J. Lahoz, J.A. López and L.A. Oro), 507

Selenolate
Synthesis and reactions of coordinatively unsaturated 16-electron chalcogenolate complexes, $Ru(EAr)_2(\eta^6\text{-arene})$ and cationic binuclear chalcogenolate complexes, $[(\eta^6\text{-arene})Ru(\mu\text{-EPh})_3Ru(\eta^6\text{-arene})]PF_6$ (K. Mashima, S.-i. Kaneko, K. Tani, H. Kaneyoshi and A. Nakamura), 345
Silacyclopropene
Thermolysis of 1,1-dimesityl-3-phenyl-2-trimethylsilyl-1-silacyclopropene: silylene transfer reactions to 1,4-bis(silyl)butadiynes (A. Kunai, T. Mihara, Y. Matsuo, J. Ohshita, A. Naka and M. Ishikawa), 611
Silanols
Ab initio study of the basicity and propensity of siloxanols towards hydrogen bond formation (M. Cypryk), 483
Silicon
ansa-Bis(fluorenyl)komplexe des Zirconiums und Hafniums mit Silicium in der Brücke: Synthese und Polymerisationseigenschaften (P. Schertl and H.G. Alt), 553
Free radical chemistry associated with $H(RSiH)_nH$ (C. Chatgilialoglu, C. Ferreri, D. Vecchi, M. Lucarini and G.F. Pedulli), 475
Simplified preparations of trialkylsilyl- and bis(trialkylsilyl)dihalomethanes via the deprotonation of dihalomethanes (K. Yoon and D.Y. Son), 185
Siloxanols
Ab initio study of the basicity and propensity of siloxanols towards hydrogen bond formation (M. Cypryk), 483
Silyl
Simplified preparations of trialkylsilyl- and bis(trialkylsilyl)dihalomethanes via the deprotonation of dihalomethanes (K. Yoon and D.Y. Son), 185
Silylene
Thermolysis of 1,1-dimesityl-3-phenyl-2-trimethylsilyl-1-silacyclopropene: silylene transfer reactions to 1,4-bis(silyl)butadiynes (A. Kunai, T. Mihara, Y. Matsuo, J. Ohshita, A. Naka and M. Ishikawa), 611

Silyltri-flates
Funktionalisierungen und vernetzungsreaktionen an siliciumorganischen polymeren (W. Uhlig), 281
Sonogashira coupling
Palladium–Copper catalyzed coupling of iron σ-metalla-alkynes with aryl halides. A simple way to link electroactive organoiron complexes with aromatic structures (R. Denis, T. Weyland, F. Paul and C. Lapinte), 615
Stereoselective synthesis
Stereoselective synthesis and some reactions of β-(η^6-arene)Cr(CO)$_3$ complexes of podocarpic acid derivatives (G.R. Clark, B. Kuipers, M.R. Metzler, M.H. Nguyen and P.D. Woodgate), 225
Structure
The first heterotrinuclear Pd–Cu cluster with two μ_3-S bridging atoms. Synthesis and structure of [Pd$_2$(PPh$_3$)$_4$(μ_3-S)$_2$(CuPPh$_3$)]$_2$(W_6O_{19}) (B. Wu, W.-J. Zhang, S.-Y. Yu, T.-L. Sheng and X.-T. Wu), 587
Sulfur complexes
Synthesis and molecular structure of [Cp$'_2$V(μ-S)$_2$VCp$'$]$_2$(μ-O) (O.M. Kekia and A.L. Rheingold), 277
Synthesis
Palladium–Copper catalyzed coupling of iron σ-metalla-alkynes with aryl halides. A simple way to link electroactive organoiron complexes with aromatic structures (R. Denis, T. Weyland, F. Paul and C. Lapinte), 615

Tellurate
Synthesis and reactions of coordinatively unsaturated 16-electron chalcogenolate complexes, Ru(EAr)$_2$(η^6-arene) and cationic binuclear chalcogenolate complexes, [(η^6-arene)Ru(μ-EPh)$_3$Ru(η^6-arene)]PF$_6$ (K. Mashima, S.-i. Kaneko, K. Tani, H. Kaneyoshi and A. Nakamura), 345
Tetramethyl
Thermal rearrangement reaction of disilyl-bridged bis(tetramethyl cyclopentadienyl) tetracarbonyl diiron. The molecular structures of (Me$_2$SiSiMe$_2$)[(η^5-C$_5$Me$_4$)Fe(CO)]$_2$(μ-CO)$_2$ and [(Me$_2$Si)(η^5-C$_5$Me$_4$)Fe(CO)$_2$]$_2$ (X. Zhou, X. Zhong, Y. Zhang and S. Xu), 435
Tetraphosphine
Arranging phosphoryl ligands on a calixarene platform (C.B. Dieleman, D. Matt and P.G. Jones), 461
Thermal rearrangement reaction
Thermal rearrangement reaction of disilyl-bridged bis(tetramethyl cyclopentadienyl) tetracarbonyl diiron. The molecular structures of (Me$_2$SiSiMe$_2$)[(η^5-C$_5$Me$_4$)Fe(CO)]$_2$(μ-CO)$_2$ and [(Me$_2$Si)(η^5-C$_5$Me$_4$)Fe(CO)$_2$]$_2$ (X. Zhou, X. Zhong, Y. Zhang and S. Xu), 435
Thermolysis
Thermolysis of 1,1-dimesityl-3-phenyl-2-trimethylsilyl-1-silacyclopropene: silylene transfer reactions to 1,4-bis(silyl)butadiynes (A. Kunai, T. Mihara, Y. Matsuo, J. Ohshita, A. Naka and M. Ishikawa), 611
Thiolate
Synthesis and reactions of coordinatively unsaturated 16-electron chalcogenolate complexes, Ru(EAr)$_2$(η^6-arene) and cationic binuclear chalcogenolate complexes, [(η^6-arene)Ru(μ-EPh)$_3$Ru(η^6-arene)]PF$_6$ (K. Mashima, S.-i. Kaneko, K. Tani, H. Kaneyoshi and A. Nakamura), 345
Thiomethyl complexes of nickel
Darstellung und Struktur von hetero- und homoleptischen Thiomethylnickelkomplexen (F. Becke, T. Rüffer, R. Boese, D. Bläser und D. Steinborn), 169
Tin
Reactivity of bicyclic *N*-pyrrolylboranes (B. Wrackmeyer, B. Schwarze and W. Milius), 297
Synthesis and structures of intramolecularly hexacoordinated organotin chlorides containing the (3-(2-methoxy)ethoxy)propyl moiety (J. Susperregui, M. Bayle, J.M. Léger, G. Déléris, M. Biesemans, R. Willem, M. Kemmer and M. Gielen), 559
Trialkylphosphoniodithiocarboxylate ligands
Preparation and reactivity of mono- and binuclear nitrosyl molybdenum complexes containing S$_2$CPCy$_3$ ligands. Crystal structure of [(OC)$_2$(ON)Mo(μ-Br)(μ-S$_2$CPCy$_3$)Mo(CO)$_2$(PEt$_3$)] (D. Miguel, V. Riera, M. Wang, C. Bois and Y. Jeannin), 327
Triene
Ligand exchange reactions of a 1,3-butadiene complex of magnesium (K. Mashima, Y. Matsuo, H. Fukumoto, K. Tani, H. Yasuda and A. Nakamura), 549
Trimethylgermyl cation
Gas phase germylation of simple aromatics by Me$_3$Ge$^+$ ions (B. Chiavarino, M.E. Crestoni and S. Fornarini), 53
Triorganoboranes
Reactivity of bicyclic *N*-pyrrolylboranes (B. Wrackmeyer, B. Schwarze and W. Milius), 297
Triphenylarsine adducts
Adducts of GaI$_3$ and InI$_3$ with Ph$_3$P and Ph$_3$As (L.-J. Baker, L.A. Kloo, C.E.F. Rickard and M.J. Taylor), 249
Triphenylphosphine adducts
Adducts of GaI$_3$ and InI$_3$ with Ph$_3$P and Ph$_3$As (L.-J. Baker, L.A. Kloo, C.E.F. Rickard and M.J. Taylor), 249
Triphosphine
Di- and trinuclear complexes of palladium with a triphosphine ligand, bis(diphenylphosphinomethyl)phenylphosphine (T. Tanase, H. Takahata, M. Hasegawa and Y. Yamamoto), 531
Tripodal ligand
Chirale Tripod-Liganden mit einer Cyclopentadienyl- und zwei Phosphin-Donorfunktionen: Synthese und Komplexchemie (B. Antelmann, U. Winterhalter, G. Huttner, B.C. Janssen und J. Vogelgesang), 407
Tungsten
Einkernige Derivate der Hexacarbonylmetalle, M(CO)$_6$ (M = Cr, Mo, W), mit dem mehrzähnigen Liganden Tri(1-cyclohepta-2,4,6-trienyl)phosphan, P(C$_7$H$_7$)$_3$ (M. Herberhold, K. Bauer and W. Milius), 267
Kohlenwasserstoffverbrückte Metallkomplexe: XXXVII [1]. Mono- und dimetallierte Heterocyclopentedione mit Molybdän-, Wolfram-, Mangan- und Rheniumcarbonylen (M.J. Schweiger, T. Ederer, K. Sünkel und W. Beck), 17
Preparation and reactivity of mono- and binuclear nitrosyl molybdenum complexes containing S$_2$CPCy$_3$ ligands. Crystal structure of [(OC)$_2$(ON)Mo(μ-Br)(μ-S$_2$CPCy$_3$)Mo(CO)$_2$(PEt$_3$)] (D. Miguel, V. Riera, M. Wang, C. Bois and Y. Jeannin), 327
Triphenylbismuthine complexes of group 6 metal carbonyls: X-ray crystal structures of [M(CO)$_5$(BiPh$_3$)] (M = Mo or W) (N.J. Holmes, W. Levason and M. Webster), 111
Tungsten carbene
Nucleophilic addition of chromium and tungsten carbene anions to cationic organotricarbonylmetallic complexes (F. Rose-Munch, C. Le Corre-Susanne, F. Balssa, E. Rose, J. Vaisserman, E. Licandro, A. Papagni, S. Maiorana, W.-d. Meng and G.R. Stephenson), 9
Tungsten carbene complexes
Reaction of carbanion of Fischer-type carbene complexes with pyrylium salts. One pot substituted benzophenones formation by subsequent cyclization and double hydrogen β-elimination (P. Le Poul, F. Robin-Le Guen, M.-C. Sénéchal-Tocquer and B. Caro), 447

Vanadium
Synthesis and molecular structure of [Cp$'_2$V(μ-S)$_2$VCp$'$]$_2$(μ-O) (O.M. Kekia and A.L. Rheingold), 277

Vibrational spectroscopy
Adducts of GaI_3 and InI_3 with Ph_3P and Ph_3As (L.-J. Baker, L.A. Kloo, C.E.F. Rickard and M.J. Taylor), 249
Vinyl
Simplified preparations of trialkylsilyl- and bis(trialkylsilyl)dihalomethanes via the deprotonation of dihalomethanes (K. Yoon and D.Y. Son), 185

Water soluble
Synthesis and characterisation of some new water soluble π-allyl dicarbonyl complexes of molybdenum(II) (P.K. Baker and A.E. Jenkins), 125

X-ray crystallography
Adducts of GaI_3 and InI_3 with Ph_3P and Ph_3As (L.-J. Baker, L.A. Kloo, C.E.F. Rickard and M.J. Taylor), 249
Einkernige Derivate der Hexacarbonylmetalle, $M(CO)_6$ (M = Cr, Mo, W), mit dem mehrzähnigen Liganden Tri(1-cyclohepta-2,4,6-trienyl)phosphan, $P(C_7H_7)_3$ (M. Herberhold, K. Bauer and W. Milius), 267
X-ray diffraction
Arranging phosphoryl ligands on a calixarene platform (C.B. Dieleman, D. Matt and P.G. Jones), 461
Stoichiometric and catalytic activation of sp^2 C–H bonds: molecular structure of $Os_3(\mu\text{-}H)(\mu_3\text{-}^nBuOC{=}CHPEt_2)(CO)_9$ and catalytic properties of this and related Os and Ru clusters (A.Z. Voskoboynikov, M.A. Osina, A.K. Shestakova, M.A. Kazankova, I.G. Trostyanskaya, I.P. Beletskaya, F.M. Dolgushin, A.I. Yanovsky and Y.T. Struchkov), 71
X-ray diffraction analysis
Structure of *Z*- and *E*-2-bromo-1-ferrocenyl-1-phenylcyclopropanes and 3-ferrocenyl-3-phenylcyclopropene and their three-membered ring opening reactions (E.I. Klimova, B.T. Klimova, L.R. Ramírez, G.M. Martínez, T.C. Alvarez, P.G. Espinosa and R.A. Toscano), 191
X-ray structure
On the structure of bis(9-fluorenyl)dimethylsilane: a sterically crowded molecule with relatively low barriers of rotations around the Si–C(fluorenyl) bonds. X-ray diffraction analysis and AM1 molecular orbital calculations (L. Silaghi-Dumitrescu, I. Haiduc, R. Cea-Olivares, I. Silaghi-Dumitrescu, J. Escudié and C. Couret), 1
Triphenylbismuthine complexes of group 6 metal carbonyls: X-ray crystal structures of $[M(CO)_5(BiPh_3)]$ (M = Mo or W) (N.J. Holmes, W. Levason and M. Webster), 111
X-ray structures
Darstellung und Struktur von hetero- und homoleptischen Thiomethylnickelkomplexen (F. Becke, T. Rüffer, R. Boese, D. Bläser und D. Steinborn), 169

Yttrium
Examination of the $LnCl_3$/RLi alkylation system for organic synthesis using yttrium as a probe including the X-ray crystal structure of $Li_2Y_8Cl_{18}O_4(THF)_{12}$ (W.J. Evans, M.A. Ansari, J.D. Feldman, R.J. Doedens and J.W. Ziller), 157

Zirconium
ansa-Bis(fluorenyl)komplexe des Zirconiums und Hafniums mit Silicium in der Brücke: Synthese und Polymerisationseigenschaften (P. Schertl and H.G. Alt), 553
Silicon–carbon bridged bis(fluorenyl) and bis(octahydrofluorenyl) *ansa*-zirconocenes: synthesis, characterization and ethylene polymerization catalysis (R. Leino, H.J.G. Luttikhedde, A. Lehtonen, C.-E. Wilén and J.H. Näsman), 219
Zr(IV)
New chelating pyridyl-indenyl and quinolyl-indenyl ligands leading to C_1 symmetrical complexes of zirconium via amine elimination. X-ray structure of [3-(2-pyridylmethyl)(indenyl)]tris(dimethylamido)Zr(IV) (Z. Ziniuk, I. Goldberg and M. Kol), 441